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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/763,058	01/22/2004	Hiroshi Uno	1990.69202	3718
24978 GREER, BURN	7590 11/15/200 NS & CRAIN	EXAMINER		
300 S WACKER DR			KAPADIA, VARSHA A	
25TH FLOOR CHICAGO, IL 60606			ART UNIT	PAPER NUMBER
			2627	
			MAIL DATE	DELIVERY MODE
			11/15/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Application No.	Applicant(s)
		10/763,058	UNO ET AL.
-	Office Action Summary	Examiner	Art Unit
		Varsha A. Kapadia	2627
Period fo	The MAILING DATE of this communication app r Reply	ears on the cover sheet with the c	orrespondence address
A SHO WHIC - Exten after: - If NO - Failur Any o	DRTENED STATUTORY PERIOD FOR REPLY HEVER IS LONGER, FROM THE MAILING DA sions of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. period for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, eply received by the Office later than three months after the mailing d patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	I. sely filed the mailing date of this communication. D (35 U.S.C. § 133).
Status			
2a) <u>□</u> 3) <u>□</u>	Responsive to communication(s) filed on <u>30 Au</u> This action is <b>FINAL</b> . 2b)⊠ This Since this application is in condition for allowan closed in accordance with the practice under <i>E</i>	action is non-final. nce except for formal matters, pro	
Dispositi	on of Claims		•
5)⊠ 6)⊠ 7)□ 8)□  Application 9)□ 10)□	Claim(s) 1-12 is/are pending in the application.  4a) Of the above claim(s) is/are withdraw Claim(s) 1-6 is/are allowed.  Claim(s) 7-12 is/are rejected.  Claim(s) is/are objected to.  Claim(s) are subject to restriction and/or  on Papers  The specification is objected to by the Examiner The drawing(s) filed on is/are: a) access  Applicant may not request that any objection to the or	vn from consideration.  r election requirement.  r.  epted or b) □ objected to by the f	
	Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Ex	on is required if the drawing(s) is obj	ected to. See 37 CFR 1.121(d).
Priority u	nder 35 U.S.C. § 119		
12)[] / a)[	Acknowledgment is made of a claim for foreign  All b) Some * c) None of:  1. Certified copies of the priority documents  2. Certified copies of the priority documents  3. Copies of the certified copies of the prior application from the International Bureau ee the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage
Attachmont	(c)		
2) Notice 3) Inform	e of References Cited (PTO-892)  of Draftsperson's Patent Drawing Review (PTO-948)  nation Disclosure Statement(s) (PTO/SB/08)  No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ite

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This office action is responsive to the communication filed on 08/30/07.

## Rejection Under 35 U.S.C. 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 7-12 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. A previously amended limitation "in a main path of a modulation circuit" is not supported by the specification as originally filed.

#### Rejection Under 35 U.S.C. 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 7-12 are rejected under 35 U.S.C. 102(b) as being anticipated by Reed et al (5,961,658).

With regards to claim 7, Reed et al discloses a signal processing method utilizing a partial response to record information on a medium and then regenerate the information from the medium (see fig. 2 and disclosure thereof), wherein in a main path of a modulation circuit (see

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fig.2 element 88 and disclosure thereof; wherein, since there is only one output with one input, the input must go through every element to obtain the desired output signal. Therefore, each path through the elements can be considered as a main path), a signal recorded on the medium is subjected to the convolution of (1-D) where D is a bit delay operator (See fig.6 element 152 disclosure thereof and col.11 lines 59-67); a regeneration signal from the medium is subjected to an equalizing process including the convolution of (k-s\*D).(1+D)^n (see the paragraph bridging cols. 6 and 7; wherein k,s and n are considered to be 1).

With regards to claim 8, Reed et al discloses that the information is decoded from the equalized signal (see fig.2 elements 74,88 and 92 and disclosure thereof).

With regards to claims 9-12, the apparatus limitations recited in claims 9-12 and similar to the method limitations recited in claims 7-8. Therefore the rejection applied to method claims 7-8 above in this office action is herein repeated for the same reasons of anticipation.

### Allowable Subject Matter

Claims 1-6 are allowed.

Applicant's claimed invention differs from the prior art of the record for the same reasons recited in the office action mailed on August 26, 2005.

#### Response to Remarks

Applicant's arguments with respect to claims 7-12 have been considered but are moot in view of the new ground(s) of rejection.

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#### Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Varsha A. Kapadia whose telephone number is (571) 272-7557. The examiner can normally be reached on Mon Tue and Thurs, from 6:30 AM to 2:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea Wellington can be reached on 571 272 4483. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Varsha Kapadia